

TAOK2 Polyclonal antibody

Catalog Number: 21188-1-AP

Featured Product

6 Publications

Basic Information

Catalog Number:

21188-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15521

GenBank Accession Number:

BC142663

GeneID (NCBI):

9344

UNIPROT ID:

Q9UL54

Full Name:

TAO kinase 2

Calculated MW:

1235 aa, 138 kDa

Observed MW:

138-150 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, Monkey

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue, HEK-293 cells, L02 cells

IP : HEK-293 cells,

IHC : human liver cancer tissue,

Background Information

TAOK2(Serine/threonine-protein kinase TAO2) is also named as KIAA0881, MAP3K17, PSK, PSK1 and belongs to the protein kinase superfamily. TAOK2 is known to modulate gene transcription via its activation of several MAP kinase pathways, including c-Jun amino-terminal kinase (JNK), and has been implicated in the modulation of actin and microtubule dynamics. The time course of TAOK2 expression is consistent with a role for it in neuronal differentiation.(PMID:22735514). The immunogen of this antibody is 742-969 aa of human TAOK2 protein isoform Alpha.This antibody mainly detects the isoform 1/3/4. It can't detect the isoform 2.

Notable Publications

Author	Pubmed ID	Journal	Application
Caterina Giacomini	29730992	Acta Neuropathol Commun	WB,IF
Ritu Garg	32041905	J Cell Sci	WB
Chuay-Yeng Koo	28830982	Mol Cancer Ther	WB,IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

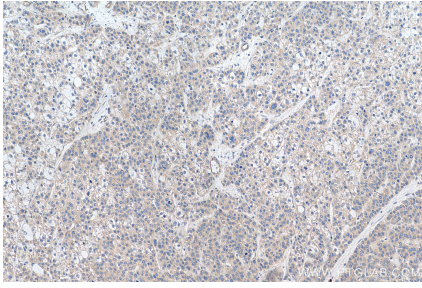
T: 4006900926

E: Proteintech-CN@ptglab.com

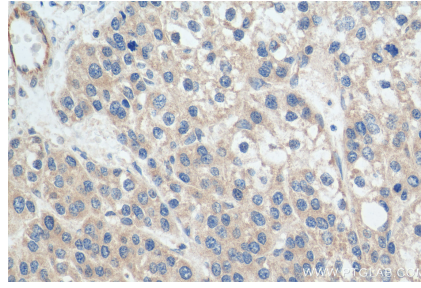
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

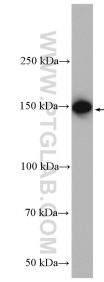
Selected Validation Data



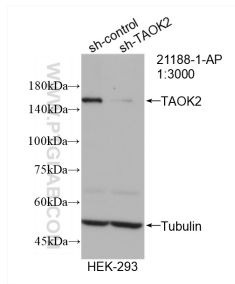
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 21188-1-AP (TAOK2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



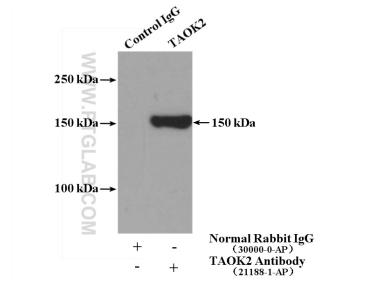
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 21188-1-AP (TAOK2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



mouse brain tissue were subjected to SDS PAGE followed by western blot with 21188-1-AP (TAOK2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



WB result of TAOK2 antibody (21188-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-control and sh-TAOK2 transfected HEK-293 cells.



IP result of anti-TAOK2 (IP:21188-1-AP, 4ug; Detection:21188-1-AP 1:500) with HEK-293 cells lysate 3000ug.